



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

MADHAV DATTA

Application No.: 10/776,076

Filed: February 10, 2004

For: **COPPER-CONTAINING C4  
BALL-LIMITTING METALLURGE  
STACK FOR ENHANCED RELIABILITY  
OF PACKAGED STRUCTURES AND  
METHOD OF MAKING SAME**

Art Group: 2813

Examiner: Thanhha S. Pham

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). This IDS and IDS Citation Form are being submitted before the mailing of a final Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s). Some or all of the references listed on the enclosed PTO/SB/08 were previously identified in the parent application (Application No. 09/961,034, filed September 21, 2001) and copies of the references were furnished at that time. Accordingly, per 37 CFR §1.98(d)(1) additional copies of those references are not submitted herewith.

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Date: 5/16/05

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

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I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Renee Coulman  
Renee Coulman

5/16/05  
Date



<p>Substitute for form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE</b></p> <p><b>STATEMENT BY APPLICANT</b></p> <p><i>(use as many sheets as necessary)</i></p>				<p><b>Complete if Known</b></p>	
Sheet	1	of	3	Application Number	10/776,076
				Filing Date	February 10, 2004
				First Named Inventor	Madhav Datta
				Art Unit	2813
				Examiner Name	Thanhha S. Pham
				Attorney Docket Number	42P11468D

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-3,663,184	05-16-1972	Wood, John R., et al.	
		US-4,290,079	09-15-1981	Carpenter, Charles., et al.	
		US-4,360,142	11-23-1982	Carpenter, Charles., et al.	
		US-4,505,029	03-19-1985	Owyang, King et al.	
		US-5,648,686	07-15-1997	Hirano, Naohiko et al.	
		US-5,736,456	04-07-1998	Akram, S.	
		US-5,773,359	06-30-1998	Mitchell, Douglas G., et al.	
		US-5,885,891	03-23-1999	Miyata, Masahiro, et al.	
		US-6,111,321	08-29-2000	Agarwala, Birendra N.	
		US-6,222,279	04-24-2001	Mis. Joseph D., et al.	
		US-6,224,690	05-01-2001	Andricacos, Panayotis C., et al.	
		US-6,232,212	05-15-2001	Degani, Yinon et al.	
		US-6,348,730	02-19-2001	Yi, Sang-Don et al.	
		US-6,426,282	07-30-2002	Saigal, Dinesh, et al.	
		US-6,489,229	12-03-2002	Sheridan, Devin R., et al.	
		US-5,903,058	05-11-1999	Akram Salman	
		US-6,495,449	12-17-2002	Nguyen, Tue	
		US-6,130,170	10-10-2000	David et al.	
		US-5,384,283	01-24-1995	Gegenwarth et al.	
		US-5,492,235	02-10-1996	Crafts et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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## NON PATENT LITERATURE DOCUMENTS

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